REMARKS

Reconsideration of the application is respectfully requested for the following reasons:

1.   Amendments to Claims

Claim 1 has been amended to include the subject matter of claim 2, and in particular to include each of the method steps positively recited in claim 2, in order to overcome the rejection of claim 1 under 35 USC §103(a).

Claim 11 has been amended to delete the objected-to recitation of integrating the de-scrambled signal, thereby overcoming the rejection of claims 11 and 12 under 35 USC §112, 2nd Paragraph.

The remaining changes are all formal in nature, for the purpose of correcting grammatical and/or antecedence errors.

2.   Rejection of Claim 1 Under 35 USC §103(a) in view of U.S. Patent Nos. 6,359,868 (Chen), 5,235,612 (Stilwell), and 6,801,516 (Lomp)

This rejection has been rendered moot by the addition to claim 1 of the substantive limitations of claim 2, namely the complex spread and complex scrambling steps, which are not shown in the Chen, Stilwell, and Lomp patents.

It is noted that the recitation of PAR improvement has not been added to claim 1, even though it was included in original claim 2. The omission of this functional recitation from amended claim 1 should have no effect on its patentability. Similarly, the omission of the gratuitous "low-pass filtered" limitation in amended claim 11 (which lacked any sort of antecedent basis) should have no effect on patentability. Claims 1 and 11 both recite the complex valued signal spreading and scrambling on which patentability is based.

Having thus overcome each of the rejections made in the Official Action, withdrawal of the rejections and expedited passage of the application to issue is requested.

Respectfully submitted,

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